

## ABSTRACT

An apparatus to supply a pivot assembly manufacturing method that can reliably fix a hub cap and, in addition, can solve the problem of out gas also, and can reduce the expense and man-days incidental to the pre-load of a ball bearing. Ball bearings 2 are mated to both ends of a shaft 1, and in the outer circumferences of these ball bearings 2 a spacer 31 mated a sleeve 3 disposed between both ball bearings 2, and to the inner circumference of the upper end part of the shaft 1 a hub cap 4 that blocks the outside end face of the ball bearings 2 is fixed by laser welding.